

Pilot Project Routes for increased legal gross weights Idaho State Highway System



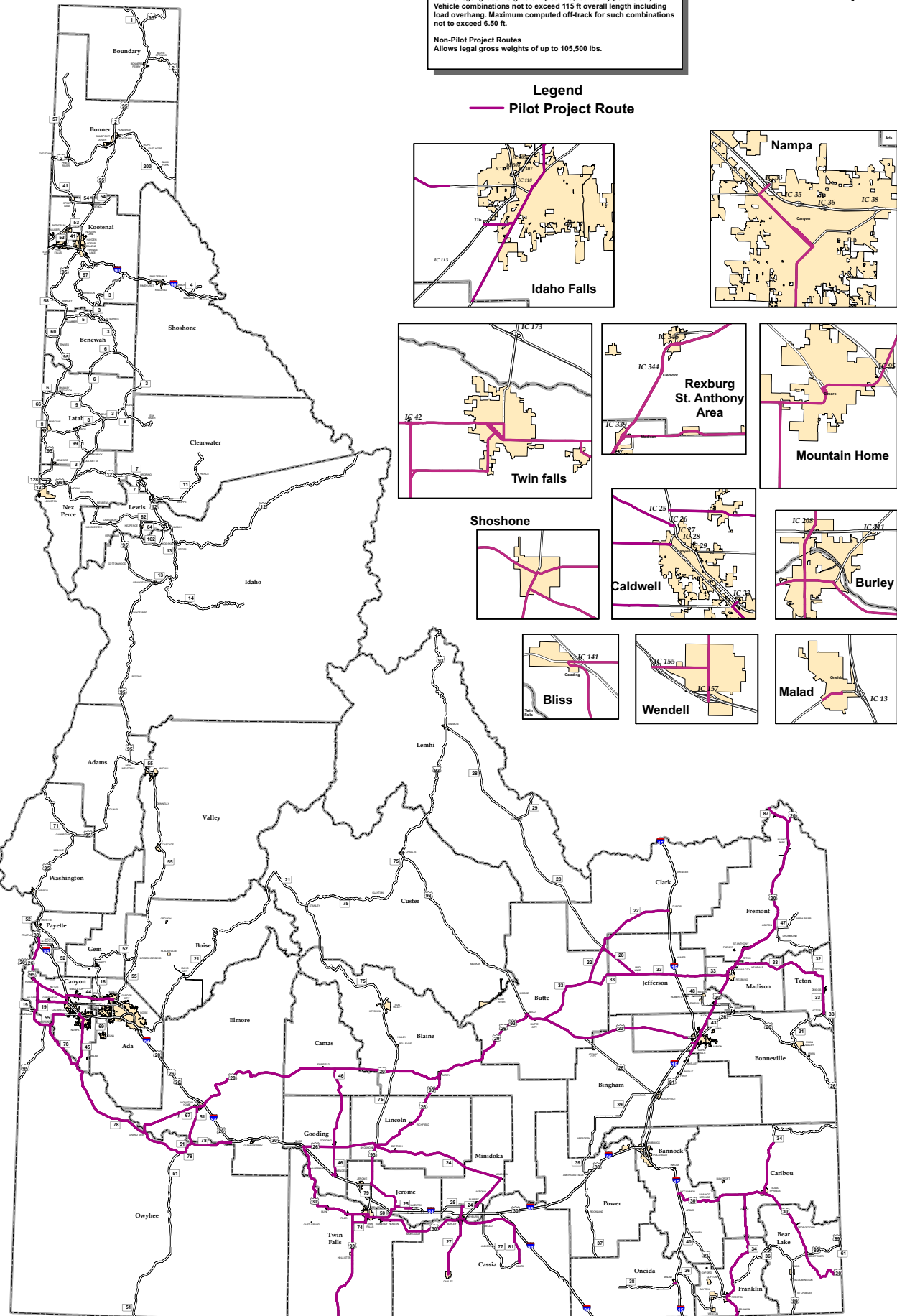
May 2007

Pilot Project Routes
Allows legal gross weights of up to 129,000 lbs by permit only.
Vehicle combinations not to exceed 115 ft overall length including
load overhang. Maximum computed off-track for such combinations
not to exceed 6.50 ft.

Non-Pilot Project Routes
Allows legal gross weights of up to 105,500 lbs.

Legend

— Pilot Project Route



22.3 GENERAL CONDITIONS AND REQUIREMENTS FOR EXTRA LENGTH

Extra-Length Vehicle Combinations. Vehicle combinations operating with an overall length in excess of the limits imposed in Section 49-1010, Idaho Code, shall consist of not more than four (4) units, shall not exceed one hundred fifteen (115) feet overall and no such vehicle combination shall include more than three (3) cargo units except that a full truck and full trailer may have an overall length in excess of seventy-five (75) feet but not in excess of eighty-five (85) feet including load overhang.

Power Unit. The power unit of extra-length combinations shall have adequate power and traction to maintain a minimum of fifteen (15) miles per hour under normal operating conditions on any up-grade over which the combination is operated.

Connecting Devices. Fifth wheel, drawbar, and other coupling devices shall be as specified by Federal Motor Carrier Safety Regulations, Part 393, which shall be considered to be a part of this chapter.

Weather Restrictions. The movement of vehicles by extra-length permit shall be prohibited and otherwise valid permits shall automatically become invalid enroute when travel conditions become hazardous due to ice, snow or frost; when visibility is restricted to less than five hundred (500) feet by fog, dust, smoke, smog, or other atmospheric conditions. Speed shall be reduced when such conditions exist. The state may restrict or prohibit operations during periods when in the state's judgment traffic, weather, or other safety conditions make such operations unsafe or inadvisable.

Trailer Weight Sequence. In any extra-length combination, the respective loading of any trailer shall not be substantially greater than the weight of any trailer located ahead of it in the vehicle combination. (Substantially greater shall be defined as more than four thousand [4,000] pounds heavier.

Insurance Requirements. Proof of a minimum of five hundred thousand dollars (\$500,000) combined single limit insurance must be carried in vehicle.

Operating Restrictions. Operators of all vehicle combinations governed by this chapter shall comply with the following operating restrictions:

A minimum distance of five hundred (500) feet shall be maintained between combinations of vehicles except when overtaking and passing.

Except when passing another vehicle traveling in the same direction, the combination shall be driven so as to remain at all times on the right hand side of the centerline of a two (2) lane, two (2) way highway, or on the right hand side of a lane stripe or marker of a highway of four (4) or more lanes.

22.4 OVERLEGAL PERMIT ATTACHMENTS AND REQUIREMENTS

Permit Attachments. All vehicles in extra-length operation shall be allowed to travel under the authority of overlegal permits issued to the power unit. A copy of this chapter shall accompany and shall be a part of the annual pilot project permit. An allowable gross loads table up to 129,000 lbs shall accompany and be referred to on the face of the permit. Operations shall be valid only on routes of the state highway system designated for such purposes as set forth on the color coded map of designated routes which shall accompany the permit, and is available at the Overlegal Permit Office & Ports of Entry.

Permit Requirements and Special Requirements. Permits issued for operations of extra-length combinations shall be subject to the general requirements listed above, and to the following special conditions.

a. Off-Track Computation form. Must provide internal dimensions of the combination and computation of off-track as evidence of compliance with maximum off-track requirements specified for the designated route being traveled. The completed Off-Track Computation form, when required, shall be available for inspection by enforcement officers with the permit for the extra-length vehicle combination. Non completed form shall invalidate permit.

b. When a permit has become invalid due to non-compliance with the limits & provisions of the permit, the vehicle on the permit may be disqualified for reapplication of permits for a period of 30 days for the 1st violation, 6 months for the 2nd violation and 1 year for the 3rd violation.

22.5 EXCEEDING ALLOWED LENGTH AND/OR OFF-TRACK LIMITATIONS

Extra-length vehicle combinations apprehended for exceeding allowed length and/or off-track limitations as set forth in this chapter shall be subject to the following course of action:

The vehicle combination will be escorted by the apprehending officer to the first safe parking location; and

The driver of the extra length vehicle combination will be issued a single trip, one (1) day permit via a specified route to the nearest permitted route. The condition of this permit shall require an advance pilot/escort vehicle to escort the extra-length vehicle combination, and the pilot/escort vehicle shall meet the pilot/escort vehicle requirements as set forth in Chapter 12.

22.6 PILOT PROJECT TO EXCEED 105,500 LBS UP TO 129,000 LBS

In addition to the previously stated requirements that must be met, vehicles operating at weights in excess of 105,500 lbs, must also meet the following requirements:

- a. All axles must be equipped with brakes.
- b. Permits will be vehicle specific and will list the axle spacings, number of axles and the gross weight. The state issued permit must be displayed in the lower right hand corner of the windshield.
- c. Trip logs will be required to be submitted quarterly in a standard format and submitted electronically with the following information:
 1. Each trip must be listed (a trip is defined as laden and exceeding 105,500 lbs)
 2. Date trip occurred
 3. Origin
 4. Destination
 5. Route (list each highway traveled)
 6. Gross weight of vehicle configuration (laden only)
 7. Unit #
- d. The Motor Carrier's failure to submit trip logs quarterly, as required above, will result in the revocation of all pilot project permits issued to the carrier. Upon submission of all delinquent trip logs, new permits may be issued.

**** All laden trips at weights in excess of 105,500 lbs must be reported quarterly, using the on-line reporting system, which can be found at dmvonline.idaho.gov.

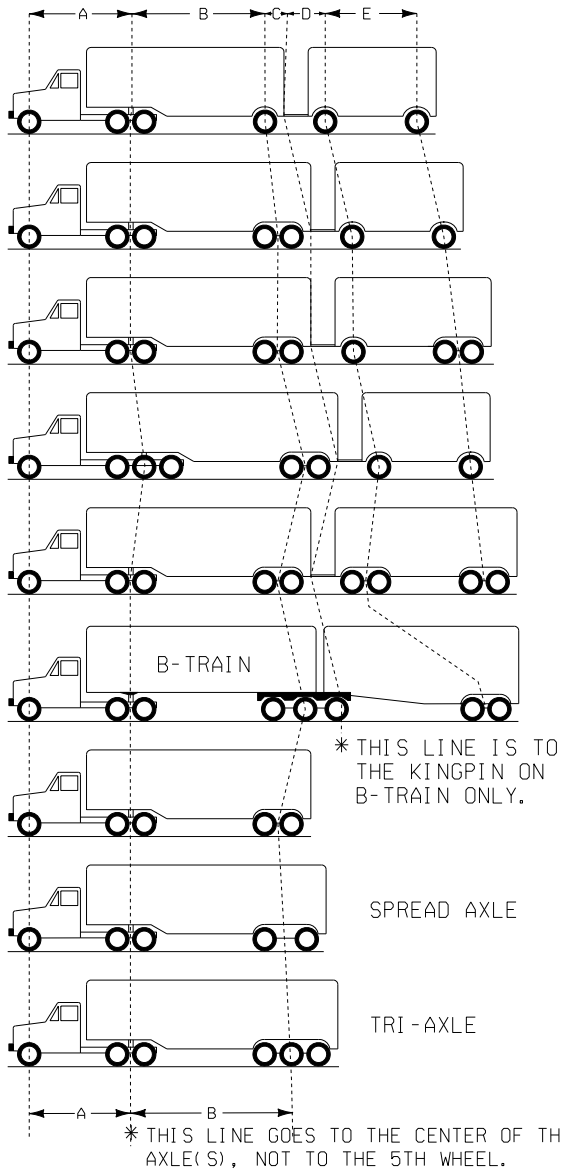
IDAHO TRANSPORTATION DEPARTMENT

LEGAL ALLOWABLE GROSS LOADS

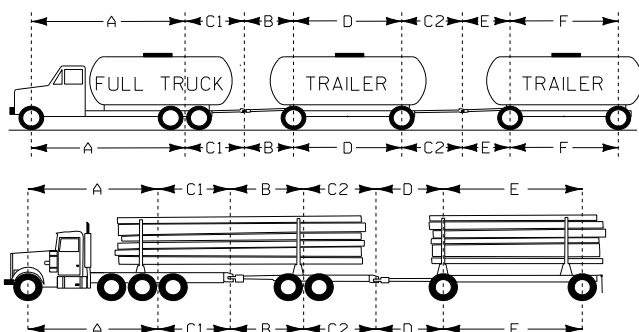
IDAHO CODE SECTION	49-1001 (1)												
COLUMN	C	D	E	F	G	H	I	J	(3)				
SINGLE AXLE WEIGHT	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	(4)			
	MAXIMUM LOAD IN POUNDS CARRIED ON ANY GROUP OF TWO OR MORE CONSECUTIVE AXLES												
DISTANCE IN FEET BETWEEN FIRST AND LAST AXLE OF ANY GROUP OF CONSECUTIVE AXLES	EXCESS WEIGHT PERMITS ON INTERSTATE HIGHWAYS IF OVER 80,000 LBS												
	2 AXLES	3 AXLES	4 AXLES	5 AXLES	6 AXLES	7 AXLES	8 AXLES	9 AXLES	10 AXLES	11 AXLES	12 AXLES	13 AXLES	
4	34,000												
5	34,000												
6	34,000												
7	34,000												
8	34,000												
8+	38,000	42,000											
9	39,000	42,500											
10	40,000	43,500											
11		44,000											
12		45,000	50,000										
13		45,500	50,500										
14		46,500	51,500										
15		47,000	52,000										
16		48,000	52,500	58,000									
17		48,500	53,500	58,500									
18		49,500	54,000	59,000									
19		50,000	54,500	60,000									
20		51,000	55,500	60,500	66,000								
21		51,500	56,000	61,000	66,500								
22		52,500	56,500	61,500	67,000								
23		53,000	57,500	62,500	68,000								
24		54,000	58,000	63,000	68,500	74,000							
25		54,500	58,500	63,500	69,000	74,500							
26		55,500	59,500	64,000	69,500	75,000							
27		56,000	60,000	65,000	70,000	75,500							
28		57,000	60,500	65,500	71,000	76,500	82,000						
29		57,500	61,500	66,000	71,500	77,000	82,500						
30		58,500	62,000	66,500	72,000	77,500	83,000						
31		59,000	62,500	67,500	72,500	78,000	83,500						
32		60,000	63,500	68,000	73,000	78,500	84,500						
33			64,000	68,500	74,000	79,000	85,000	90,000					
34			64,500	69,000	74,500	80,000	85,500	91,000					
35			65,500	70,000	75,000	80,500	86,000	91,500					
36			(68,000)	70,500	75,500	81,000	86,500	92,000	98,000				
37			(68,000)	71,000	76,000	81,500	87,000	93,000	98,000				
38			(68,000)	71,500	77,000	82,000	87,500	93,500	99,000				
39			(68,000)	72,500	77,500	82,500	88,500	94,000	99,500				
40			68,500	73,000	78,000	83,500	89,000	94,500	100,000	106,000			
41			69,500	73,500	78,500	84,000	89,500	95,000	100,500	106,500			
42			70,000	74,000	79,000	84,500	90,000	95,500	101,000	107,000			
43			70,500	75,000	80,000	85,000	90,500	96,000	102,000	107,500			
44			71,500	75,500	80,500	85,500	91,000	96,500	102,500	108,000	114,000		
45			72,000	76,000	81,000	86,000	91,500	97,500	103,000	108,500	114,500		
46			72,500	76,500	81,500	87,000	92,500	98,000	103,500	109,000	115,000		
47			73,500	77,500	82,000	87,500	93,000	98,500	104,000	110,000	115,500		
48			74,000	78,000	83,000	88,000	93,500	99,000	104,500	110,500	116,000	122,000	
49			74,500	78,500	83,500	88,500	94,000	99,500	105,000	111,000	116,500	122,500	
50			75,500	79,000	84,000	89,000	94,500	100,000	105,500	111,500	117,000	123,000	
51			76,000	80,000	84,500	89,500	95,000	100,500	106,000	112,000	118,000	123,500	
52			76,500	80,500	85,000	90,500	95,500	101,000	107,000	113,000	118,500	124,000	
53			77,500	81,000	86,000	91,000	96,500	102,000	107,500	113,500	119,000	124,500	
54			78,000	81,500	86,500	91,500	97,000	102,500	108,000	114,000	119,500	125,000	
55			78,500	82,500	87,000	92,000	97,500	103,000	108,500	114,500	120,000	125,500	
56			79,500	83,000	87,500	92,500	98,000	103,500	109,000	115,000	120,500	126,000	
57		(5)-	80,000	83,500	88,000	93,000	98,500	104,000	109,500	115,500	121,000	127,000	
58				84,000	89,000	94,000	99,000	104,500	110,000	116,000	121,500	127,500	
59				85,000	89,500	94,500	99,500	105,000	110,500	116,500	122,000	128,000	
60				85,500	90,000	95,000	100,500	105,500	111,000	117,000	122,500	128,500	
61				86,000	90,500	95,500	101,000	106,000	112,000	118,000	123,000	129,000	
62				87,000	91,000	96,000	101,500	107,000	113,000	119,000	124,000		
63				87,500	92,000	96,500	102,000	107,500	113,500	119,500	124,500		
64				88,000	92,500	97,500	102,500	108,000	114,000	120,000	125,000		
65				88,500	93,000	98,000	103,000	108,500	114,500	120,500	125,500		
66				89,500	93,500	98,500	103,500	109,000	115,000	121,000	126,000		
67				90,000	94,000	99,000	104,500	109,500	115,500	121,500	126,500		
68				90,500	95,000	99,500	105,000	110,000	116,000	122,000	127,000		
69				91,000	95,500	100,000	105,500	111,000	117,000	123,000	128,000		
70				92,000	96,000	101,000	106,000	111,500	117,500	123,500	128,500		
71				92,500	96,500	101,500	106,500	112,000	118,000	124,000	129,000		
72				93,000	97,000	102,000	107,000	112,500	118,500	124,500			
73				93,500	98,000	102,500	107,500	113,000	119,000	125,000			
74				94,500	98,500	103,000	108,000	113,500	119,500	125,500			
75				95,000	99,000	103,500	108,500	114,000	120,000	126,000			
76				95,500	99,500	104,500	109,500	114,500	120,500	126,500			
77				96,000	100,000	105,000	110,000	115,000	121,000	127,000			
78				97,000	101,000	105,500	110,500	115,500	121,500	127,500			
79				97,500	101,500	106,000	111,000	116,000	122,000	128,000			
80				98,000	102,000	106,500	111,500	116,500	122,500	128,500			
81				98,500	102,500	107,000	112,000	117,000	123,000	129,000			
82				99,000	103,000	108,000	113,000	118,000	123,500				
83				100,000	104,000	108,500	113,500	118,500	124,000				
84					104,500	109,000	114,000	119,000	124,500				
85					105,000	109,500	114,500	120,000	125,000				
86					105,500	110,000	115,000	120,500	125,500				
87					106,000	111,000	115,500	121,000	126,000				
88					107,000	111,500	116,000	121,500	127,000				
89					107,500	112,000	117,000	122,000	127,500				
90					108,000	112,500	117,500	122,500	128,000				
91					108,500	113,000	118,000	123,000	128,500				
92					109,000	113,500	118,500	123,500	129,000				
93					110,000	114,000	119,000	124,000					
94													

OFF-TRACK COMPUTATION FORM

THIS FORM SHALL BE COMPLETED FOR ALL VEHICLE CONFIGURATIONS (EXCEPT TRIPLES COMBINATIONS) AND ACCOMPANY THE EXTRA-LENGTH PERMIT, REGARDLESS OF THE ROUTES OF OPERATION. REFER TO SKETCHES BELOW AND ENTER THE APPROPRIATE INTERNAL DIMENSIONS IN THE SPACES PROVIDED. FOLLOW STEPS (1) THROUGH (18) TO COMPUTE MAXIMUM OFF-TRACK BASED ON A VEHICLE COMBINATION WITH ITS STEERING AXLE CENTERED ON A 165 FOOT RADIUS CURVE. THE COMPUTED OFF-TRACK WILL BE THE RADIUS TO THE INSIDE FRONT WHEEL OF THE STEERING AXLE MINUS THE RADIUS TO THE INSIDE OF THE REAR AXLE OF THE COMBINATION. $R = 165 - 4 = 161$



IF VEHICLE OR VEHICLE COMBINATION HAS A SELF-STEERING VARIABLE LOAD SUSPENSION LIFT AXLE(S) (VLS) DO NOT USE THIS AXLE WHEN MEASURING FOR OFF-TRACK. IF LIFT AXLE IS NOT SELF-STEERING THEN USE THAT AXLE WHEN MEASURING FOR OFF-TRACK. SEE IDAHO CODE 49-1001(III) FOR VLS AXLE REQUIREMENTS.



USE THESE DECIMAL EQUIVALENTS INSTEAD OF

INCHES:	1 IN. = .08 FT.	7 IN. = .58 FT.
	2 IN. = .17 FT.	8 IN. = .67 FT.
	3 IN. = .25 FT.	9 IN. = .75 FT.
	4 IN. = .33 FT.	10 IN. = .83 FT.
	5 IN. = .42 FT.	11 IN. = .92 FT.
	6 IN. = .50 FT.	12 IN. = 1.0 FT.

(1) A = _____ FT. (6) $A^2 =$ _____

(2) B = _____ FT. (7) $B^2 =$ _____

(3A) C1 = _____ FT.

* (3B) C2 = _____ FT.

(4) D = _____ FT. (8) $D^2 =$ _____

(5) E = _____ FT. (9) $E^2 =$ _____

(10) ADD (6) (7) (8) & (9) = _____

(11) $R^2 = 161^2 =$ 25,921.00

(12A) $C1^2 =$ _____

* (12B) $C2^2 =$ _____

(13) ADD (11) AND (12 A&B) = _____

(14) ENTER (10) = _____

(15) SUBTRACT (14) FROM (13) = _____ *

(16) R = 161.00

(17) SQUARE ROOT OF (15) = _____

(18) OFF-TRACK = $161 - (17) =$ _____

* IF (15) IS LESS THAN 24,180 OFF-TRACK IS GREATER THAN 5.5, MAXIMUM FOR BLUE ROUTES. IF (15) IS LESS THAN 23,870 OFF-TRACK IS GREATER THAN 6.5 MAXIMUM FOR RED ROUTES. IF (15) IS LESS THAN 23,716 OFF-TRACK IS GREATER THAN 7.0.

IF ASSISTANCE IS REQUIRED IN THE COMPUTATION OF MAXIMUM OFF-TRACK, MEASURE THE INTERNAL DIMENSIONS AND CALL (208) 334-8420 - INTERSTATE OR (800) 662-7133 - INTRASTATE.

* * ONLY REQUIRED WHEN FIGURING OFF-TRACK FOR 85 FOOT COMBINATION WITH DOUBLE STINGER STEER.